

Appin No. 10/728,790
Amdt. Dated March 14, 2006
Response to Office Action of February 21, 2006

2

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) An ink jet printhead comprising:
a plurality of nozzles;
a bubble forming chamber corresponding to each of the nozzles respectively, the bubble forming chambers adapted to contain a bubble forming liquid; and,
at least one heater element disposed in each of the bubble forming chambers respectively, the heater elements configured for thermal contact with the bubble forming liquid; such that,
heating the heater element to a temperature above the boiling point of the bubble forming liquid forms a gas bubble that causes the ejection of a drop of an ejectable liquid through the nozzle corresponding to that heater element; wherein,
the bubble forming chamber has a circular cross section.
2. (Withdrawn) An ink jet printhead according to claim 1 wherein the bubble forming chamber is cylindrical.
3. (Withdrawn) An ink jet printhead according to claim 1 wherein the bubble forming chamber is barrel-shaped.
4. (Withdrawn) An ink jet printhead according to claim 1 wherein the bubble forming chamber is a truncated cone shape.
5. (Withdrawn) An ink jet printhead according to claim 1 wherein the bubble forming chamber is spherical.
6. (Original) An ink jet printhead according to claim 1 wherein the ejectable liquid is the same as the bubble forming liquid.
7. (Original) An ink jet printhead according to claim 1 wherein the printhead is a pagewidth printhead.

Appln No. 10/728,790
Amdt. Dated March 14, 2006
Response to Office Action of February 21, 2006

3

8. (Original) An ink jet printhead according to claim 1 wherein the bubble forming chamber is at least partially formed by an amorphous ceramic material.
9. (Withdrawn) An ink jet printhead according to claim 8 wherein the amorphous ceramic material is silicon nitride.
10. (Withdrawn) An ink jet printhead according to claim 8 wherein the amorphous ceramic material is silicon dioxide.
11. (Withdrawn) An ink jet printhead according to claim 8 wherein the amorphous ceramic material is silicon oxynitride.
12. (Original) A printer system which incorporates a printhead, the printhead comprising:
 - a plurality of nozzles;
 - a bubble forming chamber corresponding to each of the nozzles respectively, the bubble forming chambers adapted to contain a bubble forming liquid; and,
 - at least one heater element disposed in each of the bubble forming chambers respectively, the heater elements configured for thermal contact with the bubble forming liquid; such that,
 - heating the heater element to a temperature above the boiling point of the bubble forming liquid forms a gas bubble that causes the ejection of a drop of an ejectable liquid through the nozzle corresponding to that heater element; wherein,
 - the bubble forming chamber has a circular cross section.
13. (Withdrawn) A printer system according to claim 12 wherein the bubble forming chamber is cylindrical.
14. (Withdrawn) A printer system according to claim 12 wherein the bubble forming chamber is barrel-shaped.
15. (Withdrawn) A printer system according to claim 12 wherein the bubble forming chamber is a truncated cone shape.

Appln No. 10/728,790
Amtdt. Dated March 14, 2006
Response to Office Action of February 21, 2006

4

16. (Withdrawn) A printer system according to claim 12 wherein the bubble forming chamber is spherical.
17. (Original) A printer system according to claim 12 wherein the ejectable liquid is the same as the bubble forming liquid.
18. (Original) A printer system according to claim 12 wherein the printhead is a pagewidth printhead.
19. (Original) A printer system according to claim 12 wherein the bubble forming chamber is at least partially formed by an amorphous ceramic material.
20. (Withdrawn) A printer system as claimed in claim 19 wherein the amorphous ceramic material is silicon nitride.
21. (Withdrawn) A printer system as claimed in claim 19 wherein the amorphous ceramic material is silicon dioxide.
22. (Withdrawn) A printer system as claimed in claim 19 wherein the amorphous ceramic material is silicon oxynitride.
23. – 33. (Cancelled)